RCI Mobile Application
Using Tablets for RCI Field data Collection

A Bridge Between The Office and The Field Inventory!

Transportation Statistics
Statewide Workshop – 2016

The RCI Mobile Application

- The Office

- The Field

- Bridging The Field and The Office

- Advantages

The Office
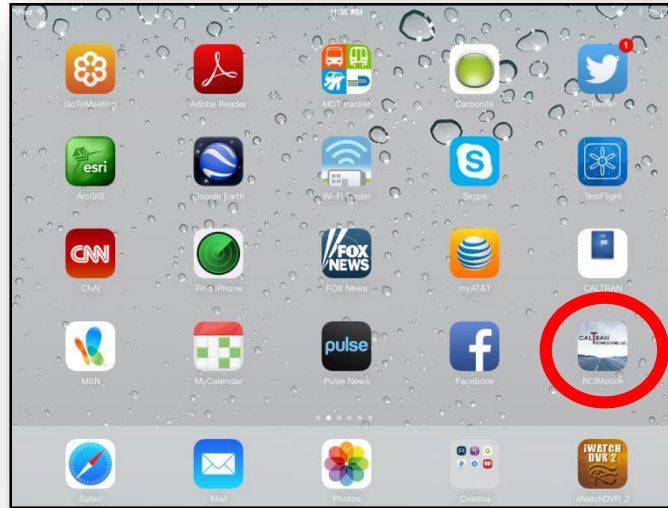
New WEB application in Amazon Cloud Server

The Office
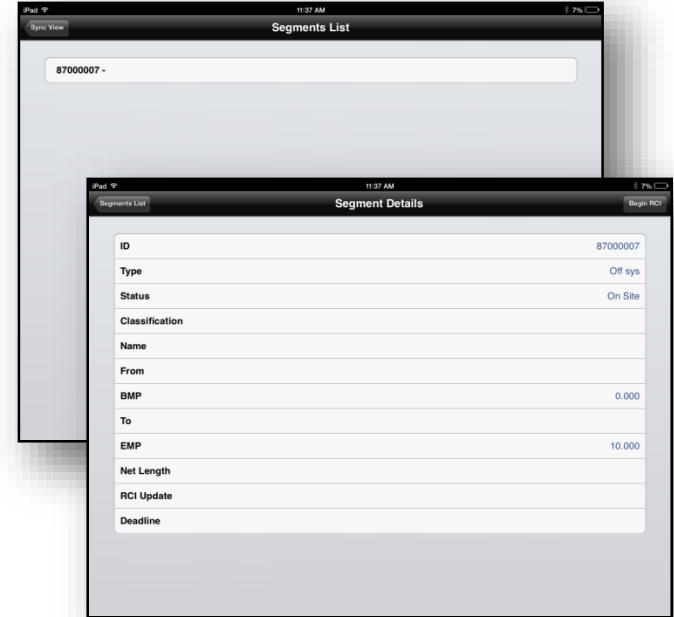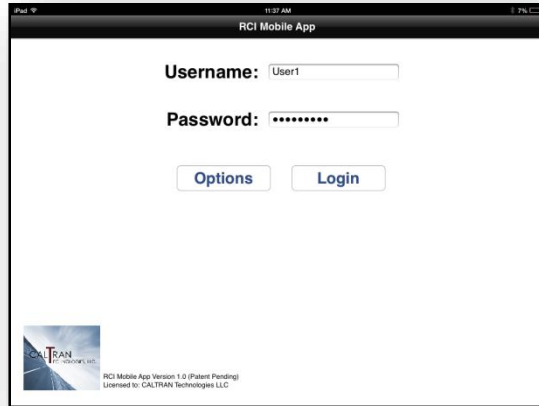
- RCI Table uploaded

The Field

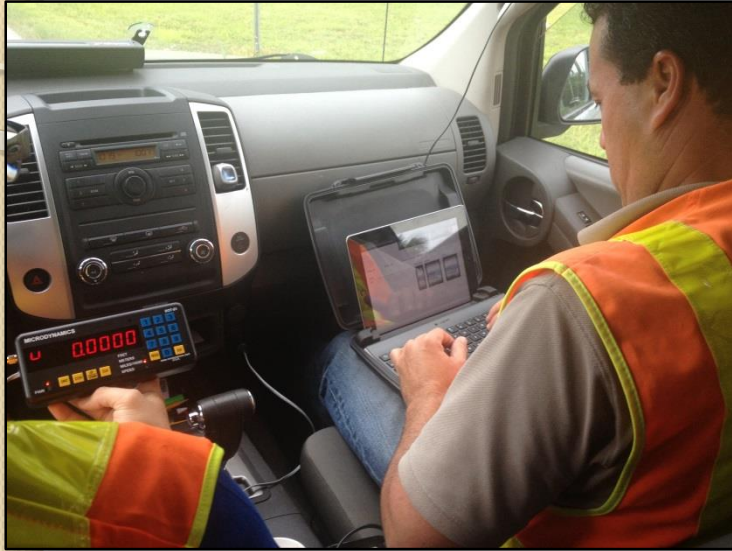- IPAD contains the RCI Mobile Inventory App.

Application working with the latest IOS

The Field

- Login by User Oriented
- VUD-like Screen Information per segment.

The Field

Traditional Data Collection Two Tech Team
But with phone/internet Hot-Spot Connectivity
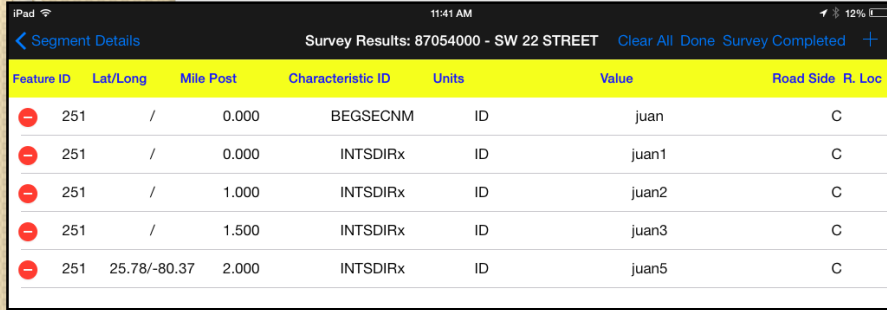
The Field

- All features and Characteristics are Included in the IPAD

- Can Collect GPS or Mile Post

- Collects HPMS Features

The Field
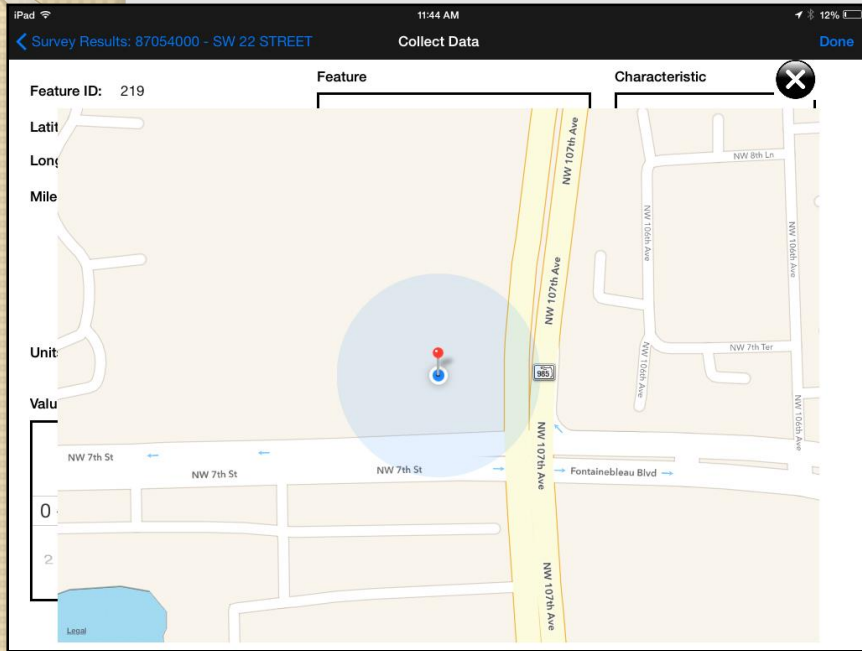
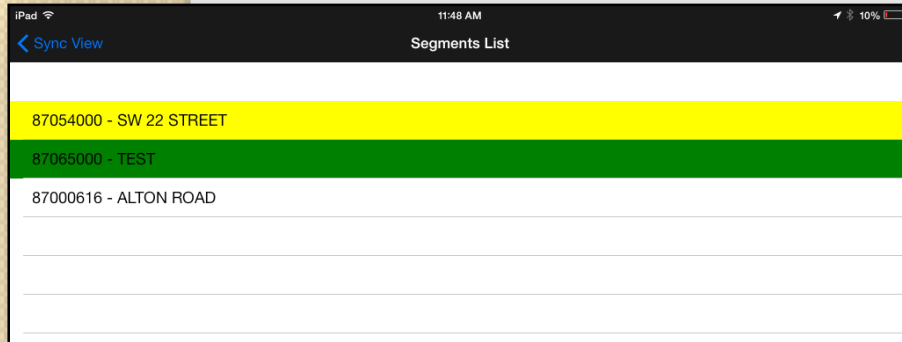- Provides Instant Geo-positioning

- Hyperlink to RCI Manual

The Field

- Table Generated Output

- Data Can be Edited during field inventory

- Inventoried segment can be set in a draft or final completion.

Bridging
The Field and The Office

- Upon Completion, results can be transmitted to the office without need for techs to return from the field.
- Segments results can also be archived

Bridging
The Field and The Office
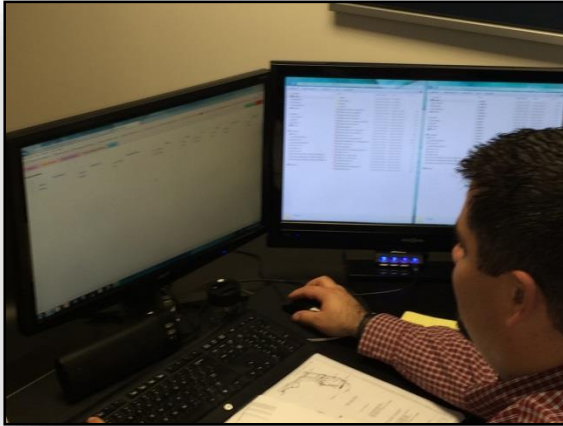
- Office staff will be able to pick up issues fast and call the field team to validated the same day.

Bridging
The Field and The Office

•Output exported to standard Excel format for secondary QA/QC

Bridging
The Field and The Office

- Post-Processing to RCI/HPMS Standard Sheets

- Output could eventually be uploaded directly to the RCI mainframe

Overall Advantages

- Fast connection between Field and Office Staff
- Reduce coding misunderstandings due to illegible handwriting.
- Reduce turnaround time between office and field.
- Different administration and users levels capabilities
- Easy update of features and characteristics
- Traditional effort but with XXI century approach